Reconciliation of the U.S.-Canadian Current Account

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This article presents a detailed description of the reconciliation of the bilateral current-account estimates of Canada and the United States for 1990 and 1991. Such reconciliations have been undertaken by Statistics Canada and the Bureau of Economic Analysis (BEA) each year since 1970. They were initiated because of the extensive economic links between the two countries and the need to explain differences in the Canadian and U.S. published estimates of the bilateral current account. In principle, the bilateral current account of one country should mirror the bilateral current account of the other country.

The reconciliation process has resulted in greater accuracy of the published estimates of transactions between Canada and the United States and in increased efficiency in producing

1. Summary results of the current-account reconciliations were published in the United States in the following issues of the Survey of Current Business: June 1975, September 1976 and 1977, December 1979, June 1981, and December 1981 through 1991. In Canada, the results were published in the following issues of *Canada's Balance of International Payments* (catalogue 67–001), a publication of Statistics Canada: Fourth Quarter 1973, Second Quarter 1976 and 1977, Third Quarter 1978 and 1979, First Quarter 1981, and Third Quarter 1981 through 1991.

the estimates. These improvements have been accomplished through the exchange of data between the two countries and the development of improved estimating techniques.

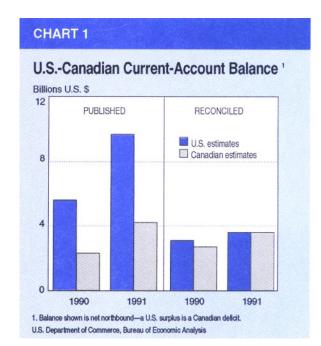
Over 80 percent of the data used by Canada and the United States to compile Canadian-U.S. current-account estimates is now provided through the exchange of data such as the following: U.S. and Canadian merchandise imports (beginning January 1990); services such as travel, passenger fares, inland freight, and government expenditures; unilateral transfers such as pensions; and certain Canadian and U.S. banking data used to estimate interest income. The exchange of data was undertaken in some instances because either the Canadian or the U.S. data were substantially more comprehensive and complete; an example is the exchange of each country's merchandise import data, which were found to be more complete than the other country's export data. In other instances, the exchange of

Table 1.—Major U.S.-Canadian Balances

		ished nates	Reconciled estimates ¹		
	United States	Canada	United States	Canada	
1990					
Merchandise trade Services Investment income	-10.2 8.2 7.9	14.4 -8.0 -9.9	-13.2 7.5 9.0	13.2 -7.2 -9.0	
Goods, services, and income	5.9	-3.5	3.3	-3.0	
Unilateral transfers, net	3	1.2	2	.2	
Current account	5.6	-2.3	3.1	-2.7	
1991					
Merchandise trade Services Investment income	-8.0 9.6 8.4	12.1 -9.2 -8.0	-11.9 8.6 7.2	11.9 -8.7 -7.1	
Goods, services, and income	10.0	-5.1	3.9	-3.9	
Unilateral transfers, net	3	.9	3	.3	
Current account	9.7	-4.2	3.6	-3.6	

NOTE.—A U.S. surplus (+) is a Canadian deficit (-), and a Canadian surplus (+) is a U.S. deficit (-).

^{1.} Some differences remain in the reconciled estimates because some service and income estimates could not be fully reconciled.



Details may not add to totals because of rounding.

data was aimed at eliminating duplication of effort, such as the use of the same source data to develop estimates of bilateral travel and passenger fare transactions. The elimination of the processing of export declarations resulted in reductions in some government processing costs, and the elimination of duplicate surveys of U.S. and Canadian travelers resulted in reductions in respondent burden.

The reconciliation process has also resulted in improvements of estimates that are not based on the exchange of data. For example, U.S. compilers revised the methodology for developing some U.S. estimates of portfolio income receipts from Canada, and Canadian and U.S. compilers each effected improvements in Canadian and U.S. source data for a number of service transactions.²

Revisions based on the reconciliations are incorporated into the Canadian and U.S. estimates as far as possible. Complete exchange of data or substitution of reconciled estimates for published estimates is not feasible because of definitional and methodological differences and because estimates of transactions with third countries would be affected in some cases. In addition, for some estimates, protecting the confidentiality of source data bars the exchange of data.

This article has two purposes. The first is to present a detailed analysis of the differences

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in published estimates and an explanation of the reconciliation adjustments. The reconciliation process has now evolved to the point where the causes of most differences in published estimates are understood in detail, and a process for reconciling the differences has been developed and tested. In the last few years, considerable progress has been achieved in developing the process, partly resulting from the increased importance given to the reconciliation process by Canadian and U.S. statistical agencies. The second purpose is to present the Canadian-U.S. current-account reconciliation process as a guide for balance of payments compilers in their bilateral reconciliation efforts and to provide detailed information to users of Canadian and U.S. balance of payments statistics.

Major Types of Reconciliation Adjustments

Reconciliation adjustments to each country's published estimates fall into three broad categories—definitional, methodological, and statistical—which reflect the differences that occur in the published estimates.

Definitional and methodological adjustments

Definitional and methodological adjustments are required because of differences in definitions and methodologies used to compile the international accounts in Canada and the United States. These differences may reflect each country's requirements to integrate the external accounts with

The Reconciliation Process

The reconciliation consists of two phases. One is the reconciliation of the merchandise trade account, and the other is the reconciliation of service transactions, investment income, and unilateral transfers.

The task of reconciling the merchandise trade account now consists mainly of reconciling the Canadian and U.S. adjustments made to customs data—the source data of the merchandise trade account—for balance of payments purposes. Until 1990, reconciliation of the customs data was undertaken by the International Trade Division of Statistics Canada and the Foreign Trade Division of the U.S. Bureau of the Census. Cooperation between the two Divisions culminated in the formal exchange of data between Canada and the United States in January 1990, whereby each country uses the other country's import data to compile its merchandise exports.

Reconciliation of service transactions, investment income, and unilateral transfers is less straightforward than reconciliation of merchandise trade. Because of the variety and complexity of the transactions and the differences that can be expected when two independent statistical agencies measure the changing external transactions of their own countries, the reconciliation for nonmerchandise transactions is more of a process than an end. The reconciliation is an important means of explaining definitional, methodological, and statistical differences and of directing research efforts.

^{2.} Details of recent or planned major improvements to the U.S. international accounts were published in the June 1992 issue of the Survey of Current Business, and to the Canadian international accounts, in the Fourth Quarter 1991 issue of Canada's Balance of International Payments (catalogue 67–001).

domestic accounts. In other instances, there are differences in conventions used by Canadian and U.S. compilers that are largely due to institutional factors. Choice of one definition or methodology over another in developing reconciliation adjustments does not indicate agreement on what the correct definition should be nor on the most appropriate methodology. Often, the choice is based on practical considerations, such as the availability of data.

Among definitional differences, the United States includes reinvested earnings as a component of direct investment income, whereas Canada does not; Canada records merchandise imports on a country-of-shipment basis, whereas the United States records them on a country-

of-origin basis. To achieve reconciliation, a common definition is selected.

Among methodological differences, one country may classify a group of transactions in an account different from that of the other country, or it may record certain transactions on a gross basis rather than a net basis. To achieve reconciliation, transactions are reclassified to a common account and are adjusted to a gross or net basis, as required.

Statistical adjustments

Statistical adjustments mainly reflect differences in data sources and estimation techniques. In addition, differences in private accounting practices

Table 2.—Summary of Reconciliation Adjustments, Northbound

	ĮΝ	Millions of L	J.S. dollars]							
	Defin	itional		Method	ological		Statis	stical	Tot	al
	United		Reclass	ification	Gross	or net	United		United	
	States	Canada	United States	Canada	United States	Canada	States	Canada	States	Canada
1990										
Merchandise trade	658	-340	-3,537						-2,879	-340
Services		-485	3,537		-282	-670	-1,072	-31	2,183	-1,186
Transfers under U.S. military agency sales contracts								102		102
Travel							-26		-26	
Passenger fares							-85		-85	
Transportation			3,687	472		7	-1,474	-65	2,213	414
Inland freight Other			3,687	472		7	-1,453 -21	-65	2,234 -21	414
Other services		-485	-150	-472	-282	-677	513	-68	81	-1,702
AffiliatedUnaffiliated		-301 -184	-150	-472	-282	-677	452 18	-233 147	452 -414	-534 -1,186
Government							43	16	43	16
Investment income	-4 -4	-580 -333		116	-580 	613 80	2,281 41	-298 85	1,697 37	-265 -212
Other		-247		-116	-580	693	2,240	-383	1,660	-53
Unilateral transfers		-172			307		58		365	-172
Total adjustments	654	-1,577			-555	−57	1,267	-329	1,366	-1,963
1991										
Merchandise trade	-35	-693	-3,859						-3,894	-693
Services		-484	3,859		-232	-702	-1,329	169	2,298	-1,017
Transfers under U.S. military agency sales contracts								129		129
Travel							-28		-28	
Passenger fares							-82		-82	
Transportation			4,038 4,038	479		8	-1,800 -1,799	-81	2,238 2,239	406
Other				479		8	-1	-81		406
Other services Affiliated		-484 -301	-179	-479 	-232	–710	581 459	121 –225	170 459	-1,552 -526
Unaffiliated		-183	-179	-479	-232	-710	-117 239	331 15	-528 239	-1,041 15
Investment income	-102 -102	-163 -5		114	-353	565 -85	2,020 164	-510 -223	1,565 62	-108 -199
Other	-102	-158		-114	-353	650	1,856	-223 -287	1,503	91
Unilateral transfers		-188			320		66		386	-188
Total adjustments	-137	-1,528			-265	-137	757	-341	355	-2,006

in Canada and the United States affect the type of data available from statistical surveys.

There are four broad types of statistical adjustments. First, some adjustments are based on knowledge about the quality and coverage of source data. When one country's source data are believed to be of better quality than the other country's source data, the better source data are used to develop the reconciled estimates. Second, some adjustments are made because the detailed data needed to make two estimates comparable may be available from one country but not the other. Third, adjustments are made to anticipate revisions in source data that become available after publication of the estimates. Fourth, many adjustments are based essentially

on pragmatic factors. When no means of clearly establishing the merits of one country's data are available, reconciled values reflect compromises by the compilers, particularly when the compromise is within a reasonable range of error in measurement. For all types of statistical adjustments, the reconciled values represent the best possible compromise.

Reconciliation of Major Accounts

This section presents a discussion of the reconciliation adjustments made to the major accounts: Merchandise trade, services, investment income, and unilateral transfers. Although numerous adjustments are made, only those that involve

Table 3.—Summary of Reconciliation Adjustments, Southbound [Millions of U.S. dollars]

	Defin	itional		Method	ological		Statis	stical	Tot	tal
			Reclass	sification		or net				
	Canada	United States	Canada	United States	Canada	United States	Canada	United States	Canada	United States
1990										
Merchandise trade	-1,083	1,910	-535	-1,827			119		-1,499	83
Services	-388		535	1,827	-669	-282	126	1,343	-396	2,888
Direct defense expenditures							286		286	
Travel								-19		-19
Passenger fares										
Transportation	-68		966 215	1,933 1,933	7		-41 -77	811 535	864 138	2,744 2,468
Other	-68		751		7		36	276	726	276
Other services Affiliated Unaffiliated Government	-320 -4 -316		-431 431	-106 106	-676 676	-282 -282	-119 -63 -31 -25	551 -6 501 56	-1,546 -67 -1,454 -25	163 -6 113 56
Investment income Direct Other	-295 -157 -138	1,127 1,127			613 -80 693	-580 -580	312 -3 315	94 363 –269	630 -240 870	641 1,490 –849
Unilateral transfers	-1,185					306	82		-1,103	306
Total adjustments	-2,951	3,037			-56	-556	639	1,437	-2,368	3,918
1991										
Merchandise trade	-556	2,170	-662	-2,149			324		-894	21
Services	-398		662	2,149	-703	-232	-34	1,449	-473	3,366
Direct defense expenditures							246		246	
Travel								-10		-10
Passenger fares										
Transportation	-70 -70		1,113 362 751	2,149 2,149	8 8		-101 -151 50	949 662 287	950 211 739	3,098 2,811 287
Other services Affiliated Unaffiliated	-328 -4 -324		-451 451		–711 – –711	-232 -232	-179 -181 7	510 -5 455	-1,669 -185 -1,479	278 -5 223
Government	-324		-451		-/11	-232	_5	60	-1,479 -5	60
Investment income Direct Other	-297 -154 -143	2,256 2,256			565 -85 650	-352 -352	560 290 270	817 1,170 –353	828 51 777	2,721 3,426 -705
Unilateral transfers	-894					321	85		-809	321
Total adjustments	-2,145	4,426			-138	-263	935	2,266	-1,348	6,429

important definitional or methodological differences or that are large in size are discussed in detail. Definitional adjustments, such as the exclusion of reinvested earnings and the reallocation of merchandise imports to the country of shipment, affect the reconciled current-account balance, as do the statistical adjustments. Methodological adjustments, such as reclassification and grossing or netting, are necessary to achieve common treatment, but because they are offsetting, they do not affect the current-account balance.

In this discussion, the term "northbound" refers to U.S. receipts, or Canadian payments. "Southbound" refers to Canadian receipts, or U.S. payments. All values are expressed in U.S. dollars.

For 1990, the difference between the latest U.S. and Canadian published estimates of the U.S.-Canadian current-account balance was \$3.3 billion (table 1). After reconciliation, the difference was reduced to \$0.4 billion. The U.S. reconciled balance was a surplus of \$3.1 billion, and the Canadian reconciled balance was a deficit of \$2.7 billion (chart 1). the difference of \$5.5 billion in the published estimates was virtually eliminated; the reconciled balance was a U.S. surplus, or Canadian deficit, of \$3.6 billion. The large differences between the published and reconciled balances mostly reflect definitional adjustments made to merchandise trade, transportation, and investment income (tables 2 and 3). ments to southbound estimates are larger than

Table 4.—U.S.-Canadian Currrent-Account Reconciliation, Northbound

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	Pu	blished estima	tes	Red	conciled estim	ates	Adjustm published	
	U.S. re- ceipts	Canadian payments	Difference	U.S. re- ceipts	Canadian payments	Remaining difference	United States	Canada
1990								
Northbound goods, services, and income	110,820	113,255	-2,435	111,821	111,464	357	1,001	-1,791
Merchandise trade	82,866	80,327	2,539	79,987	79,987		-2,879	-340
Services Transfers under U.S. military agency sales contracts Travel Passenger fares Inland freight Other transportation Royalties and license fees Other services	16,222 102 7,093 979 (²) 1,079 1,179 5,790	19,328 (¹) 7,067 894 2,234 651 1,093 7,389	-3,106 102 26 85 -2,234 428 86 -1,599	18,405 102 7,067 894 2,234 1,058 (3) 7,050	18,142 102 7,067 894 2,234 1,065 (3) 6,780	263 	2,183 	-1,186 102
Investment income Direct investment Other private assets/liabilities U.S. Government assets	11,732 4,665 7,042 25	13,600 4,820 8,780 (⁴)	-1,868 -155 -1,738 25	13,429 4,702 8,727 (⁴)	13,335 4,608 8,727 (⁴)	94 94	1,697 37 1,685 –25	-265 -212 -53
Unilateral transfers, net		537	_537	365	365		365	
Current account, northbound	110,820	113,792	-2,972	112,186	111,829	357	1,366	-1,963
1991								
Northbound goods, services, and income	113,517	115,171	-1,654	113,486	113,353	133	-31	-1,818
Merchandise trade	85,006	81,805	3,201	81,112	81,112		-3,894	-693
Services Transfers under U.S. military agency sales contracts Travel Passenger fares Inland freight Other transportation Royalties and license fees Other services	17,982 129 8,499 1,040 (²) 1,094 1,215 6,005	21,102 (¹) 8,471 958 2,239 686 1,357 7,391	-3,120 129 28 82 -2,239 408 -142 -1,386	20,280 129 8,471 958 2,239 1,093 (3) 7,390	20,085 129 8,471 958 2,239 1,092 (3) 7,196	195 1 1 194	2,298 	-1,017 129 406 -1,357 -195
Investment income Direct investment Other private assets/liabilities U.S. Government assets	10,529 3,075 7,433 21	12,264 3,398 8,866 (⁴)	-1,735 -323 -1,433 21	12,094 3,137 8,957 (⁴)	12,156 3,199 8,957 (⁴)	-62 -62	1,565 62 1,524 –21	-108 -199 91
Unilateral transfers, net		574	-574	386	386		386	
Current account, northbound	113,517	115,745	-2,228	113,872	113,739	133	355	-2,006

^{1.} In the Canadian published accounts, transactions of U.S. military agencies are not shown separately.

^{2.} In the U.S. published accounts, inland freight is included in the merchandise trade account.

^{3.} Royalties and license fees are included in other services for reconciliation.

Income on U.S. Government assets is included in income on other private assets in the Canadian published accounts. The same treatment is used for reconciliation.

adjustments to northbound estimates (tables 4 and 5).

Merchandise trade

Most of the differences between published U.S. and Canadian estimates of merchandise trade on a balance of payments basis stem from different treatment of the source data.3 For reconciliation, the main task is resolving those differences in treatment (tables 6 and 7). Four major adjustments are required.

First, Canadian reexports are added to U.S. estimates of merchandise imports. In the U.S. published estimates, which are on a country-oforigin basis, these imports (Canadian reexports) are attributed to third countries rather than to Canada. A similar adjustment to Canadian imports is not required, because the Canadian published estimates, on a balance of payments basis, are allocated to the country of shipment and thus already include U.S. reexports.

Second, inland freight (freight charges on shipments of exports and imports from the plant to the border) is reclassified in the U.S. accounts from merchandise exports and imports to transportation; this aligns the U.S. treatment with the Canadian treatment.4

Table 5.—U.S.-Canadian Current-Account Reconciliation, Southbound

	Pu	blished estima	ites	Red	onciled estimate	ates	Adjustmo published	
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Remaining difference	Canada	United States
1990								
Southbound goods, services, and income	109,751	104,910	4,841	108,486	108,522	-36	-1,265	3,612
Merchandise trade	94,681	93,099	1,582	93,182	93,182		-1,499	83
Services Direct defense expenditures Travel Passenger fares	11,352 (¹) 3,522 255	8,003 286 3,541 255	3,349 -286 -19	10,956 286 3,522 255	10,891 286 3,522 255	65	–396 286	2,888 —19
Inland freight Other transportation Royalties and license fees Other services	2,330 361 58 4,826	(2) 835 67 3,019	2,330 -474 -9 1,807	2,468 1,087 (³) 3,338	2,468 1,111 (³) 3,249	-24 89	138 726 -58 -1,488	2,468 276 -67 230
Investment income Direct investment Other private assets/liabilities U.S. Government liabilities	3,718 1,177 1,510 1,031	3,808 -395 2,755 1,448	-90 1,572 -1,245 -417	4,348 937 2,211 1,200	4,449 1,095 2,154 1,200	-101 -158 57	630 -240 701 169	641 1,490 -601 -248
Unilateral transfers, net	1,703	294	-294 1,703	600	600		 1,103	-294 600
Current account, southbound	111,454	105,204	6,250	109,086	109,122	-36	-2,368	3,918
1991								
Southbound goods, services, and income	110,079	103,504	6,575	109,540	109,612	-72	-539	6,108
Merchandise trade	93,923	93,008	915	93,029	93,029		-894	21
Services Direct defense expenditures Travel Passenger fares	11,879 (¹) 3,695 249	8,339 246 3,705 249	3,540 -246 -10	11,406 246 3,695 249	11,705 246 3,695 249	-299 	-473 246	3,366 10
Inland freight Other transportation Royalties and license fees Other services	2,600 358 2 4,975	(2) 837 93 3,209	2,600 -479 -91 1,766	2,811 1,097 (³) 3,308	2,811 1,124 (³) 3,580	_27 272	211 739 –2 –1,667	2,811 287 –93 371
Investment income Direct investment Other private assets/liabilities	4,277 1,667 1,707 903	2,157 -1,841 2,806 1,192	2,120 3,508 -1,099 -289	5,105 1,718 2,387 1,000	4,878 1,585 2,293 1,000	227 133 94	828 51 680 97	2,721 3,426 -513 -192
Unilateral transfers, net	1,448	318	-318 1,448	639	639		-809	-318 639
Current account, southbound	111,527	103,822	7,705	110,179	110,251	-72	-1,348	6,429
1. In the Connection published accounts transactions of LLC military as								

^{1.} In the Canadian published accounts, transactions of U.S. military agencies are not shown separately.

^{3.} Beginning in 1990, the source data are the same for both countries. except for the source data used by Statistics Canada for petroleum exports. The data, except as noted, are compiled from U.S. and Canadian customs documents filed by U.S. and Canadian importers. U.S. merchandise imports are compiled from U.S. customs documents, and U.S. exports (Canadian imports) are compiled from data provided from Canadian customs documents. Similarly, Canadian merchandise imports are compiled from Canadian import documents, and Canadian exports (U.S. imports) are compiled from data provided by the Bureau of the Census from U.S. customs documents.

^{4.} In the U.S. published estimates, inland freight is included in merchandise trade because BEA follows the convention of including the charges for transporting goods to the port of export as part of the value of merchandise

^{2.} In the U.S. published accounts, inland freight is included in the merchandise trade account.

Royalties and license fees are included in other services for reconciliation.

Third, the repair of equipment reported in the merchandise trade source data is reclassified from services to merchandise trade in the U.S. accounts to align with the Canadian treatment. In the U.S. published estimates, all equipment repairs are included in services.

Fourth, several other balance of payments adjustments are made to the estimates. In the Canadian accounts, the main ones reflect the exclusion, for reconciliation purposes, of valuation differences from Canadian estimates of exports of petroleum and natural gas to the United States and the reclassification of freight on exports of natural gas to transportation. Minor adjustments include the elimination of progress payments for certain military equipment from Canadian imports and the reclassification of processing fees from services to merchandise exports. In the U.S. accounts, most of the other balance of payments adjustments are for timing and valuation differences.

Services

Travel and passenger fares.—Canadian and U.S. published estimates of northbound and southbound travel and passenger fares are based on the same source data and common definitions. Thus, there is no need to reconcile the estimates except to account for timing differences that occur in the publication of revised estimates by Statistics Canada and BEA.

Transportation.—The main differences between Canadian and U.S. published estimates of north-

trade regardless of the method of shipment. The Canadian Balance of Payments Division follows the practice of valuing merchandise trade at the plant and including freight charges in transportation.

Table 6.—Merchandise Trade, Northbound
[Millions of U.S. dollars]

	U.S. receipts	Canadian payments	Type of adjustment
	1000.p.to	paymonio	
1990			
Balance of payments basis, published.	82,866	80,327	
Less inland freight Plus repair of equipment Less other balance of payments adjustments.	3,687 150 –658	340	Reclassification Reclassification Definitional
Reconciled	79,987	79,987	
1991			
Balance of payments basis, published.	85,006	81,805	
Less inland freight Plus repair of equipment Less other balance of payments adjustments.	4,038 179 35	693	Reclassification Reclassification Definitional
Reconciled	81,112	81,112	

bound and southbound transportation transactions are the classification of inland freight and of certain services procured by airlines and railroads.5 Canadian published estimates of transportation transactions include inland freight and exclude services procured in port by airlines and railroads. U.S. published estimates reflect the opposite treatment: Inland freight is excluded from transportation, and port services of airlines and railroads are included. For reconciliation, inland freight is reclassified from merchandise trade to transportation in the U.S. accounts, and port services of airlines and railroads are reclassified from business services to transportation in the Canadian accounts (tables 8 and 9). Two remaining classification adjustments—both to the Canadian published accounts-include the reclassification of inland waterways tolls from the Canadian northbound transportation account to the Canadian government services account and the reclassification of estimates of aircraft leasing (northbound and southbound) from business services to transportation.

The single definitional adjustment is the deletion of Canadian estimates of freight receipts

5. Beginning with 1990, the estimates of southbound inland freight have been developed by the Bureau of the Census from data collected on U.S. customs documents; these estimates are used by Statistics Canada and BEA.

Different estimates of northbound inland freight are used by Statistics Canada and Bea. The estimates included in the Canadian published accounts are produced by Statistics Canada's Balance of Payments Division from data of the Transportation Division. The estimates included in the U.S. published accounts, which are larger than those in the Canadian accounts, are developed from Canadian customs documents. For reconciliation, the Canadian estimates are used because they are believed to be more accurate and to conform more closely to the estimates produced by BEA from Census Bureau data until 1990.

Table 7.—Merchandise Trade, Southbound
[Millions of U.S. dollars]

	Canadian	U.S.	Type of adjustment
	receipts	payments	,, ,
1990			
Balance of payments basis, published.	94,681	93,099	
Plus Canadian reexports Plus repair of equipment Less inland freight Less other balance of payments adjustments. Plus statistical adjustments.	1,618	1,802 106 1,933 -108	Reclassification
Reconciled	93,182	93,182	
1991			
Balance of payments basis, published.	93,923	93,008	
Plus Canadian reexports Plus repair of equipment Less inland freight Less other balance of payments adjustments. Plus statistical adjustments.	1,218	1,965 2,149 -205	
Reconciled	93,029	93,029	

Table 8.—Transportation, Northbound

[Millions of U.S. dollars]

	Pub	lished estim	ates	Reco	onciled estin	nates		Adjustmer	nts to published estimates
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Remain- ing differ- ence	United States	Canada	Type of adjustment
1990									
Total	1,079	2,885	-1,807	3,292	3,299	-7	2,213	414	
Freight	478 155 30 293	568 277 12 279	-90 -122 18 14	512 199 20 293	510 199 15 296	2 5 -3	34 44 –10	-58 -78 3 17	Statistical Statistical Statistical
Port services Vessel operators Airline operators Other	513 108 300 105	50 37 13	463 71 300 92	367 54 300 13	350 37 300 13	17 17	-146 -54 92	300	Statistical Reclassification and statistical Reclassification and statistical
Other	87	33	54	179	205	-26	92	172	Reclassification and statistical
Inland freight		2,234	-2,234	2,234	2,234		2,234		Reclassification and statistical
1991									
Total	1,094	2,925	-1,830	3,332	3,331	1	2,238	406	
Freight Ocean Air Other	437 124 40 273	600 282 12 306	-163 -158 28 -33	525 202 20 303	517 202 15 300	8 5 3	88 78 –20 30	-83 -80 3 -6	Statistical Statistical Statistical
Port services Vessel operators Airline operators Other	568 115 317 136	52 38 14	516 77 317 122	388 57 317 14	369 38 317 14	19 19	-180 -58 	317 317	Statistical Reclassification and statistical Reclassification and statistical
Other	90	34	56	180	206	-26	90	172	Reclassification and statistical
Inland freight		2,239	-2,239	2,239	2,239		2,239		Reclassification and statistical

Table 9.—Transportation, Southbound

	Pub	lished estim	ates	Reco	onciled estin	nates		Adjustmer	nts to published estimates
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Remain- ing differ- ence	Canada	United States	Type of adjustment
1990									
Total	2,691	835	1,856	3,555	3,579	-24	864	2,744	
Freight Ocean	234 123	336 215	-102 -92	572 123	572 123		338	236 -92	Statistical
AirOther	14 97	32 89	-18 8	32 417	32 417		18 320	328	Statistical Statistical
Port services Vessel operators Airline operators Other	24 17 7	394 109 214 71	-370 -92 -214 -64	404 25 322 57	428 54 322 52	-24 -29 5	380 8 322 50	34 -55 108 -19	Statistical Reclassification and statistical Reclassification and statistical
Other	103	105	-2	111	111		8	6	Definitional, reclassification, and statistical
Inland freight	2,330		2,330	2,468	2,468		138	2,468	Reclassification and statistical
1991									
Total	2,958	837	2,121	3,908	3,935	-27	950	3,098	
Freight Ocean	229 123	304 163	-75 -40	560 123	560 123		331	256 -40	Statistical
AirOther	12 94	43 98	-31 -4	43 394	43 394		31 300	296	Statistical Statistical
Port services Vessel operators	23 16	422 113	-399 -97	427 25	454 57	-27 -32	404 9	32 -56	Statistical
Airline operatorsOther	7	237 72	-237 -65	345 57	345 52	5	345 50	108 -20	Reclassification and statistical Reclassification and statistical
Other	106	111	- 5	110	110		4	-1	Definitional, reclassification, and statistical
Inland freight	2,600		2,600	2,811	2,811		211	2,811	Reclassification and statistical

(southbound) on U.S. exports in transit in Canada. These receipts are reallocated to third countries. In the U.S. treatment, such charges are viewed as payable by the foreign importer (under the balance of payments convention that goods are the property of the importer after they leave the customs frontier of the exporting country) and thus are transactions between Canada and third countries.

The largest statistical adjustment is the reduction of U.S. published estimates of northbound inland freight. The estimates in the Canadian published accounts are believed to be more accurate. In addition, estimates of pipeline freight charges on U.S. imports of natural gas are added to U.S. estimates of southbound inland freight because of undercoverage in the U.S. source data. Finally, U.S. published estimates of freight re-

Table 10.—Other Services, Northbound

				[IVIIIIIVI]					
	Pub	lished estim	ates	Reco	onciled estin	nates		Adjustme	nts to published estimates
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Remain- ing differ- ence	United States	Canada	Type of adjustment
1990									
Total	6,971	8,482	-1,511	7,050	6,780	270	81	-1,702	
Private:									
Affiliated	3,408	4,694	-1,286	3,860	4,160	-300	452	-534	Definitional and statistical
Royalties and license fees Other services	1,014 2,394	1,250 3,444	-236 -1,050	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	
Unaffiliated	3,056	3,254	-198	2,640	2,070	570	-414	-1,186	
Royalties, license fees, and selected services.	114	238	-124	276	276		162	38	
Insurance Financial services Education Communications Business services Sports and entertainment Commuters' wages Trade union transactions Other Commissions Airline port services Railway port services Aircraft leasing		1,015 313 235 2 279 389 54 107 622 143 300 163 16	323 -65 14 280 174 -178 	938 272 249 381 363 54 107					Statistical Gross to net Reclassification and statistical Statistical Definitional Reclassification
Government:									
United States Canada	65 442	49 485	16 -43	65 485	65 485		43	16	Statistical Statistical
1991									
Total	7,220	8,748	-1,528	7,390	7,196	194	170	-1,552	
Private:									
Affiliated	3,401	4,686	-1,285	3,860	4,160	-300	459	-526	Definitional and statistical
Royalties and license fees Other service charges	1,050 2,351	1,249 3,437	-199 -1,086	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	
Unaffiliated	3,376	3,391	-15	2,849	2,352	497	-528	-1,041	
Royalties, license fees, and selected services.	341	237	104	341	341			104	Statistical
Insurance Financial services Education Communications Business services Sports and entertainment Commuters' wages Trade union transactions Other Commissions Airline port services Railway port services Aircraft leasing		1,046 361 251 1 276 418 58 114 629 142 316 150 21	185 -54 30 231 352 -224 -6 -4 -629 -142 -316 -150 -21	856 330 281 478 391 58 114	337 352 281 478 391 58 114	519 -22		-709 -9 30 -1 202 -27	Statistical Statistical Statistical Definitional Reclassification
Government: United States	E0.	38	10	50	53	2		15	Statistical
Canada	50 392	631	12 –239	631	631	_3 	239		Statistical

^{1.} Royalties and license fees are combined with other service charges for reconciliation.

ceipts (northbound) and of payments for port services (southbound) are adjusted to match the Canadian estimates. U.S. published estimates of these transactions are developed on a global basis and then allocated by country and region using indicators such as volume of trade and passenger traffic. For reconciliation (and later for revised

U.S. published estimates), Canadian estimates are used because the Canadian source data reflect these bilateral transactions with the United States more accurately than the U.S. source data.

Other services.—Other services are categorized as affiliated transactions, unaffiliated transac-

Table 11.—Other Services, Southbound

_	Pub	lished estim	ates	Reco	onciled estin	nates		nts to published estimates	
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Remain- ing differ- ence	Canada	United States	Type of adjustment
1990									
Total	4,884	3,086	1,798	3,338	3,249	89	-1,546	163	
Private:									
Affiliated	1,994	1,583	411	1,927	1,577	350	-67	-6	Definitional and statistical
Royalties and license fees Other service charges	31 1,963	43 1,540	-12 423	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	
Unaffiliated	2,626	1,320	1,306	1,172	1,433	-261	-1,454	113	
Royalties, license fees, and selected services.	139	80	59	136	136		-3	56	Statistical
Insurance Financial services	637 185	226 111	411 74	–37 185	226 185		_674 	74	Gross to net and statistical Statistical
Education Communications	37 37	18 315	19 -278	37 35	37 33	2	-2	19 -282	Statistical Gross to net
Business services Sports and entertainment	299 161 140	301 13 140	-2 148	407 153 140	407 153 140		108 -8	106 140	Reclassification and statistical Statistical
Commuters' wages Trade union transactions	116	116		116	116				
Other Commissions	875 291		875 291				-875 -291		Definitional
Airline port services	322 84		322 84				-322 -84		Reclassification Reclassification
Railway port services Aircraft leasing	25		25				-25		Reclassification
U.S. defense expenditures Refining fees	133 20		133 20				-133 -20		Reclassification Definitional
Government:									
Canada United States	76 188	183	76 5	56 183	56 183		-20 -5	56	Statistical Statistical
1991									
Total	4,977	3,302	1,673	3,308	3,580	-272	-1,669	278	
Private:									
Affiliated	2,010	1,480	530	1,825	1,475	350	-185	-5	Definitional and statistical
Royalties and license fees Other service charges	31 1,979	74 1,406	-43 573	$\begin{pmatrix} 1 \\ 1 \end{pmatrix}$	(1) (1)	(1) (1)	(1) (1)	(1) (1)	
Unaffiliated	2,727	1,649	1,078	1,248	1,870	-622	-1,479	223	
Royalties, license fees, and selected services.	143	99	44	140	140		-3	41	Statistical
InsuranceFinancial services	669 200	581 138	88 62	-41 200	581 200	-622	_710 	62	Gross to net and statistical Statistical
Education	39 94	20 264	19 -170	39 93	39 93			19 -171	Statistical Gross to net
Business services	268	257	11	387	387		119	130	Reclassification and statistical
Sports and entertainment Commuters' wages	163 150	22 142	141	156 150	156 150		_7	134	Statistical Statistical
Trade union transactions	124 877	126	-2 877	124	124			-2	Statistical
Other Commissions	295		295				-295		Definitional
Airline port services Railway port services	345 80		345 80				-345 -80		Reclassification Reclassification
Aircraft leasing U.S. defense expenditures	26 107		26 107				-26 -107		Reclassification Reclassification
Refining fees	24		24				-107 -24		Definitional
Government:									
Canada United States	76 164	175	76 –11	60 175	60 175		-16 11	60	Statistical Statistical

^{1.} Royalties and license fees are combined with other service charges for reconciliation.

tions, and government transactions. Affiliated transactions cover transactions between parent companies and affiliated companies. Unaffiliated transactions cover transactions between all other private residents of Canada and of the United States. Canadian government transactions (Federal and Provincial) cover transactions with the U.S. Government and U.S. private residents, and U.S. government transactions include transactions with the Canadian governments and Canadian private residents. In addition, royalties and license fees, both affiliated and unaffiliated, are combined with other service charges for reconciliation because the Canadian definition of royalties and license fees is broader than the U.S. definition.

Affiliated transactions are adjusted to remove taxes from the Canadian published estimates (tables 10 and 11). Statistical adjustments to the U.S. published estimates include an increase in receipts and payments of U.S. parent companies for service charges. Statistical adjustments to the Canadian published estimates reflect reductions of the estimate for undercoverage of service charges.

Unaffiliated transactions are adjusted for reclassification, netting and grossing, and statistical differences. In the U.S. accounts, installation, maintenance, and repair of equipment are reclassified to merchandise trade, and U.S. receipts for medical services covered by Canadian Provincial health insurance programs are reclassified to Canadian government services. In the Canadian accounts, airline and railway port services and aircraft leasing estimates are reclassified from services to the transportation account, and commissions on merchandise trade are removed.6 For communications, northbound estimates are netted against southbound estimates for comparison and reconciliation. Detailed comparisons cannot be undertaken because of the confidentiality of source data. In addition, Canadian estimates of insurance transactions are adjusted to a net basis: Receipts reflect premiums received less losses paid, and payments reflect premiums paid less losses recovered. Canadian published estimates include premiums received plus losses recovered as receipts, and premiums paid plus losses paid as payments.

Statistical adjustments—mainly to business, professional, and technical services and to sports and entertainment—reflect pragmatic adjustments made to Canadian and U.S. estimates to achieve reconciliation. In most cases, the adjustments involve raising either the Canadian or the U.S. published estimates, whichever are smaller, to the level of the other country's estimates; this approach is taken because the smaller estimates often reflect a narrower coverage in source data.

The differences that remain after reconciliation of unaffiliated services estimates are related to transactions of insurance companies. These transactions could not be reconciled, because of basic differences in accounting conventions and data collection methods for this industry in the United States and Canada.

Reconciliation of government services transactions requires only statistical adjustments that reflect timing differences in the publication of revised estimates. Estimates of Canadian government and U.S. government transactions are exchanged by Statistics Canada and BEA.

Investment income

Direct investment income.—To achieve a common definition of direct investment income, the U.S. published estimates are adjusted to exclude reinvested earnings of incorporated affiliates, and the Canadian published estimates are adjusted to exclude taxes (tables 12 and 13). Other definitional adjustments to Canadian published estimates include changing the estimates of income of insurance affiliates to an accrual basis from a cash basis and eliminating dividends that in the U.S. accounts are recorded as payments to holding companies in third countries but in the Canadian accounts are recorded as receipts from the United States. In addition, some dividends are reclassified in the Canadian accounts from portfolio income to direct investment income. Finally, Canadian estimates of interest receipts and payments are adjusted to a net basis for comparability with the U.S. estimates.

When final data become available, statistical adjustments to published northbound distributed earnings (dividends) are usually not required or are small. When only preliminary data are available, the U.S. published estimates are often raised to account for underestimation of data not yet reported, and the Canadian published estimates are reduced to account for overestimation of such data.

Statistical adjustments to southbound distributed earnings (dividends) are confined to the

^{6.} Commissions on merchandise trade were omitted from the reconciliation pending completion of a valuation study by Statistics Canada. Similarly, estimates of Canadian mail-order imports—which are included in the Canadian accounts, but not the U.S. accounts, as a balance of payments adjustment to customs trade data—were omitted from the reconciled estimates pending further review by Bea.

U.S. estimates, which are usually raised to match the Canadian estimates. Canadian estimates include a number of small dividends that are not reported in the U.S. source data, possibly because of reporting exemptions.

Statistical differences in published estimates of northbound and southbound income of unincorporated affiliates (branches) are mainly in the banking, insurance, and real estate industries. Canadian estimates of income from bank affiliates are adjusted to reflect the estimated effects of changes in loan loss reserves on income; the U.S. estimates already reflect such changes. Reconciliation of income from affiliates in the insurance industry is not possible, because of differences in accounting practices and statistical surveys in

Table 12.—Direct Investment Income, Northbound

[Millions of U.S. dollars]

	Pub	lished estim	ates	Reco	onciled estin	nates		Adjustme	nts to published estimates
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Remain- ing differ- ence	United States	Canada	Type of adjustment
1990									
Direct investment income	4,665	4,820	-155	4,702	4,608	94	37	-212	
Less reinvested earnings of	5		5				-5		Definitional
incorporated affiliates. Less taxes		595	-595					-595	Definitional
Adjusted income Dividends Earnings of unincorporated affiliates.	4,660 3,559 506	4,225 3,696 150	435 -137 356	4,702 3,600 506	4,608 3,600 412	94	42 41	383 -96 262	Definitional and reclassification Definitional, reclassification, and statistical
Net interest	596	379	217	596	596			217	Reclassification, gross to net, and statistical
1991									
Direct investment income	3,075	3,398	-323	3,137	3,199	-62	62	-199	
Less reinvested earnings of incorporated affiliates.	102		102				-102		Definitional
Less taxes		394	-394					-394	Definitional
Adjusted income Dividends	2,973 1,836	3,004 2,418	-31 -582	3,137 2,000	3,199 2,000	-62	164 164	195 -418	Definitional, reclassification, and statistical
Earnings of unincorporated affiliates.	518	192	326	518	580	-62		388	Definitional, reclassification, and statistical
Net interest	619	394	225	619	619			225	Reclassification, gross to net, and statistical

Table 13.—Direct Investment Income, Southbound

	Published estimates			Reconciled estimates			Adjustments to published estimates			
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Remain- ing differ- ence	Canada	United States	Type of adjustment	
1990										
Direct investment income	1,177	-395	1,572	937	1,095	-158	-240	1,490		
Less reinvested earnings of		-1,127	1,127					1,127	Definitional	
incorporated affiliates. Less taxes	24		24				-24		Definitional	
Adjusted income	1,153 554 510	732 329 14	421 225 496	937 421 127	1,095 421 285	-158 158	-216 -133 -383	363 92 271	Statistical Definitional and statistical	
Net interest	89	389	-300	389	389		300		Gross to net and statistical	
1991										
Direct investment income	1,667	-1,841	3,508	1,718	1,585	133	51	3,426		
Less reinvested earnings of		-2,256	2,256					2,256	Definitional	
incorporated affiliates. Less taxes	35		35				-35		Definitional	
Adjusted income	1,632 729 747	415 750 –754	1,217 -21 1,501	1,718 750 549	1,585 750 416	133 133	86 21 –198	1,170 1,170	Statistical Definitional and statistical	
Net interest	156	419	-263	419	419		263		Gross to net and statistical	

Canada and the United States; a partial reconciliation of the northbound estimates is possible by comparing the combined income of incorporated and unincorporated affiliates (subsidiaries and branches) and converting the Canadian estimates to an accrual basis (inclusive of reinvested earnings of incorporated affiliates). Differences in income of affiliates in the real estate industry are traceable to problems in source data.

Other private investment income (portfolio).— Most reconciliation adjustments made to other private investment income are to account for differences in gross or net treatment of certain estimates of interest income of banks and to compensate for differences in source data (tables 14 and 15).⁷

Table 14.—Other Investment Income, Northbound

[Millions of U.S. dollars]

	Published estimates			Reconciled estimates			Adjustments to published estimates			
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Remain- ing differ- ence	United States	Canada	Type of adjustment	
1990										
Other investment income	7,067	8,780	-1,713	8,727	8,727		1,660	-53		
Securities Dividends	3,875 381	5,259 644	-1,384 -263	5,049 616	5,049 616		1,174 235	-210 -28	Definitional, reclassification, and statistical	
Interest on bonds	3,494	4,615	-1,121	4,433	4,433		939	-182	Definitional and statistical	
U.S. claims/Canadian liabilities U.S. bank claims Other private U.S. claims	3,192 1,669 1,498	3,521 715 2,806	-329 954 -1,308	3,678 1,027 2,651	3,678 1,027 2,651		486 -642 1,153	157 312 –155	Gross to net and statistical Net to gross, gross to net, and statistical	
U.S. Government claims	25		25				-25		Reclassification	
1991										
Other investment income	7,454	8,866	-1,412	8,957	8,957		1,503	91		
Securities Dividends	4,630 554	5,955 475	-1,325 79	5,771 475	5,771 475		1,141 -79	-184	Definitional, reclassification, and statistical	
Interest on bonds	4,076	5,480	-1,404	5,296	5,296		1,220	-184	Definitional and statistical	
U.S. claims/Canadian liabilities U.S. bank claims Other private U.S. claims U.S. Government claims	2,824 1,464 1,339 21	2,911 654 2,257	-87 810 -918 21	3,186 1,018 2,168	3,186 1,018 2,168		362 -446 829 -21	275 364 -89	Gross to net and statistical Net to gross and statistical Reclassification	

Table 15.—Other Investment Income, Southbound

				[IVIIIIIVI]	o.o. dollaro	ı				
	Published estimates			Reconciled estimates			Adjustments to published estimates			
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Remain- ing differ- ence	Canada	United States	Type of adjustment	
1990										
Other investment income	2,541	4,203	-1,662	3,411	3,354	57	870	-849		
Securities Dividends Interest on bonds	1,078 897 181	1,338 975 363	-260 -78 -182	1,255 975 280	1,255 975 280		177 78 99	-83 -83	Definitional and statistical Definitional and statistical	
Canadian claims/U.S. liabilities Canadian bank claims	432 -92	1,417 862	-985 -954	956 489	899 432	57 57	524 581	-518 -430	Net to gross, gross to net, and statistical	
Other Canadian claims	524	555	-31	467	467		-57	-88	Net to gross and statistical	
U.S. Government liabilities	1,031	1,448	-417	1,200	1,200		169	-248	Statistical	
1991										
Other investment income	2,610	3,998	-1,387	3,387	3,293	94	777	-705		
Securities	1,164 969 195	1,479 1,000 479	-315 -31 -284	1,345 1,000 345	1,345 1,000 345		181 31 150	-134 	Definitional and statistical Definitional and statistical	
Canadian claims/U.S. liabilities Canadian bank claims	544 76	1,327 873	-783 -797	1,042 642	948 548	94 94	498 566	-379 -325	Net to gross, gross to net, and statistical	
Other Canadian claims	468	454	14	400	400		-68	-54		
U.S. Government liabilities	903	1,192	-289	1,000	1,000		97	-192	Statistical	

^{7.} Some adjustments could be developed further if the related capital positions were reconciled. For example, differences in estimates of income

Canadian estimates of income received and paid on bank claims and liabilities are published on a net basis (receipts on claims less payments on liabilities), whereas the U.S. estimates are published on a gross basis. With one exception, the Canadian estimates are converted to a gross basis for reconciliation. On a gross basis, the Canadian estimates of receipts and payments of income between affiliated U.S. and Canadian banks substantially exceed the U.S. estimates. On a net basis, these U.S. and Canadian estimates are almost identical, so for reconciliation the U.S. estimates are adjusted to a net basis. The reason for the pattern, while unclear, may be due to differences in reporting definitions. Income on other bank claims-U.S. banks' income from unaffiliated Canadian banks and nonbank Canadian residents and Canadian banks' income from unaffiliated U.S. banks and nonbank U.S. residents—are reconciled for statistical differences.

Most adjustments to income on securities are made to the U.S. estimates. First, U.S. estimates of income receipts from holdings of Canadian bonds (northbound) are aligned with the Canadian estimates. The U.S. estimates are based on estimated U.S. holdings that are initially developed from partial information on placements and retirements of Canadian bonds. For reconciliation, the Canadian estimate of U.S. receipts is used because Statistics Canada calculates U.S. receipts from a detailed inventory of individual Canadian bonds held by nonresidents that reflects actual placements and retirements. Because of unexplained discrepancies in source data, both Canadian and U.S. estimates of income payments on U.S. corporate bonds (southbound) are arbitrarily adjusted to a common level.

Second, U.S. estimates of northbound dividends are adjusted to the Canadian level on the assumption that the source data on dividend payments is more comprehensive than the source data on receipts. Canadian estimates of southbound dividends are adjusted to the U.S. level for the same reason.

Third, Canadian and U.S. estimates of U.S. income payments on U.S. Government liabilities are adjusted to a common level. The Canadian published estimates are smaller than the

dian published estimates are smaller than the

may be due to differences in assumptions about yields or in reported income,

as well as differences in the estimates of the level of claims and liabilities.

U.S. published estimates. Canadian compilers assume that a portion of U.S. Government securities purchased by Canadians are for the accounts of U.S. insurance affiliates of Canadian parent companies. Under this assumption, the assets and the income are for the accounts of U.S. residents (U.S. branches of Canadian companies) and are domestic U.S. transactions. The U.S. estimates are based on the assumption that the purchases are for Canadian accounts. For reconciliation, the published estimates are adjusted to an arbitrary midpoint.

Finally, U.S. estimates are adjusted to include U.S. interest payments on foreign currency deposits in U.S. banks to reconcile with the Canadian estimates. It is unclear whether all these deposits are interest bearing. In addition, some small statistical adjustments are made to the Canadian and U.S. accounts to reconcile miscellaneous commercial transactions.

Unilateral transfers

The largest adjustment in reconciling unilateral transfers is the removal of taxes from Canadian published estimates. In addition, U.S. estimates, which are published on a net basis, are converted to a gross basis to align with the Canadian treatment. Finally, small statistical adjustments are made to U.S. northbound estimates and to Canadian southbound estimates to compensate for lack of coverage in source data.

Summary

The reconciliations have resulted in a detailed understanding of most of the differences in the published bilateral estimates; U.S. and Canadian compilers have used this knowledge to increase the accuracy of published estimates and to improve estimating techniques. Most of the differences in the published estimates of the currentaccount balance now reflect a few definitional and statistical differences. Recommendations of the forthcoming Balance of Payments Manual (fifth edition) of the International Monetary Fund may result in adjustments to published estimates that would resolve some of the definitional differences; further research and reconciliation of capital-account differences may resolve some of the statistical differences.